

May 10, 2006

Mapping and Assessment Subcommittee Report

to

Governor's Forest Health ADVISORY COUNCIL
Governor's Forest Health OVERSIGHT COUNCIL

Thursday, May 11, 2006

The Chair of the Mapping & Assessment Subcommittee, Barron Orr, is unable to attend the Forest Health Councils meetings of May 11, 2006.

He has provided a report for the Council chairs:

1. The M&A Subcommittee did not formally meet over the past month. However work initiated in earlier meetings was completed, with particular assistance from Glen Beuttner and Diane Vosick, which resulted in recommendations B7 and B8. The first, B7, addresses the interaction and communication between the Councils and the Arizona Geographic Information Council (AGIC) for addressing information needs that influence Forest Health analysis, but go beyond the scope of the Councils. The second, B8, focuses on the need to develop and implement an integrated method for identifying, collecting, cataloging and reporting fire perimeters.
2. At the request of Chair Thomas O'Halleran in earlier meetings, and the full Oversight Council in March, we have been exploring/encouraging "interoperability" and leveraging among statewide data management systems that address natural resource concerns.

These include, but are not limited to:

- a. Arizona Land Resource Information System (ALRIS)
- b. Arizona Automated Flood Warning System (AFWS)
- c. Arizona Heritage Documentation Management System (HDMS)
- d. Arizona FIREMAP
- e. Southwest Environmental Information Network (SEINet)
- f. Southwest Exotic Mapping Program (SWEMP)
- g. Arizona Hydrologic Information Systems (AHIS) (under development)
- h. Geoserv (under development)
- i. Arizona Invasive Species Map (AZ-ISMap) (proposed)

Of particular note: Barron Orr and Tani Hubbard (Arizona-Sonora Desert Museum) responded to a request from the Arizona Invasive Species

Council to present a conceptual design for a cross-jurisdictional, interactive database and mapping system for invasive species on April 19, 2006. The presentation emphasized interoperability, a concept that was endorsed by the Invasive Species Council. It is quite possible that some form of an “Arizona Invasive Species Map” will be included in their forthcoming recommendations.

3. A number of proposals are under review at different sponsoring agencies which could positively impact development of Arizona FIREMAP.

These include:

- a. GeoServ: a comprehensive geodata infrastructure for Arizonans (to TRIF technology funds – this would address interoperability of spatial data across existing systems)
- b. New Mexico FIREMAP (State of New Mexico in partnership with Arizona)
- c. A Decision Model for Controlling Buffelgrass (*Pennisetum ciliare*) Invasion in an Urban-Wildland Interface Combining Dynamic Programming with the Analytical Hierarchy Process (to USDA Economic Research Service – this would provide a decision module focused on economics, the code for which could be used in Arizona FIREMAP)